

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of claims:

1 - 53. (Canceled)

54. (New) An energy storage device including:

a housing having two terminals;

an electrochemical device disposed within the housing for providing an electrical potential between the terminals, wherein the electrochemical device has one or more performance parameters that changes with time; and

a first supercapacitor mounted to the housing and being electrically connected to the terminals in parallel with the electrochemical device for compensating for changes in the one or more performance parameters.

55. (New) An energy storage device according to claim 54 wherein the supercapacitor substantially compensates for the one or more changes in the performance parameters.

56. (New) An energy storage device according to claim 54 wherein the performance parameter is the series impedance of the electrochemical device.

57. (New) An energy storage device according to claim 54 wherein the electrochemical device has an impedance that reduces the potential as current is drawn from the electrochemical device, and the performance parameter corresponds to the reduction in the potential.

58. (New) An energy storage device according to claim 57 wherein the change in the potential is less than a predetermined value.

59. (New) An energy storage device according to claim 54 wherein the performance parameter is the power density of the electrochemical device.
60. (New) An energy storage device according to claim 59 wherein the power density has a predetermined minimum.
61. (New) An energy storage device according to claim 59 wherein the power density is volumetric.
62. (New) An energy storage device according to claim 59 wherein the power density is gravimetric.
63. (New) An energy storage device according to claim 54 wherein the performance parameter is the energy stored in the electrochemical device.
64. (New) An energy storage device according to claim 63 wherein the energy stored has a predetermined minimum.